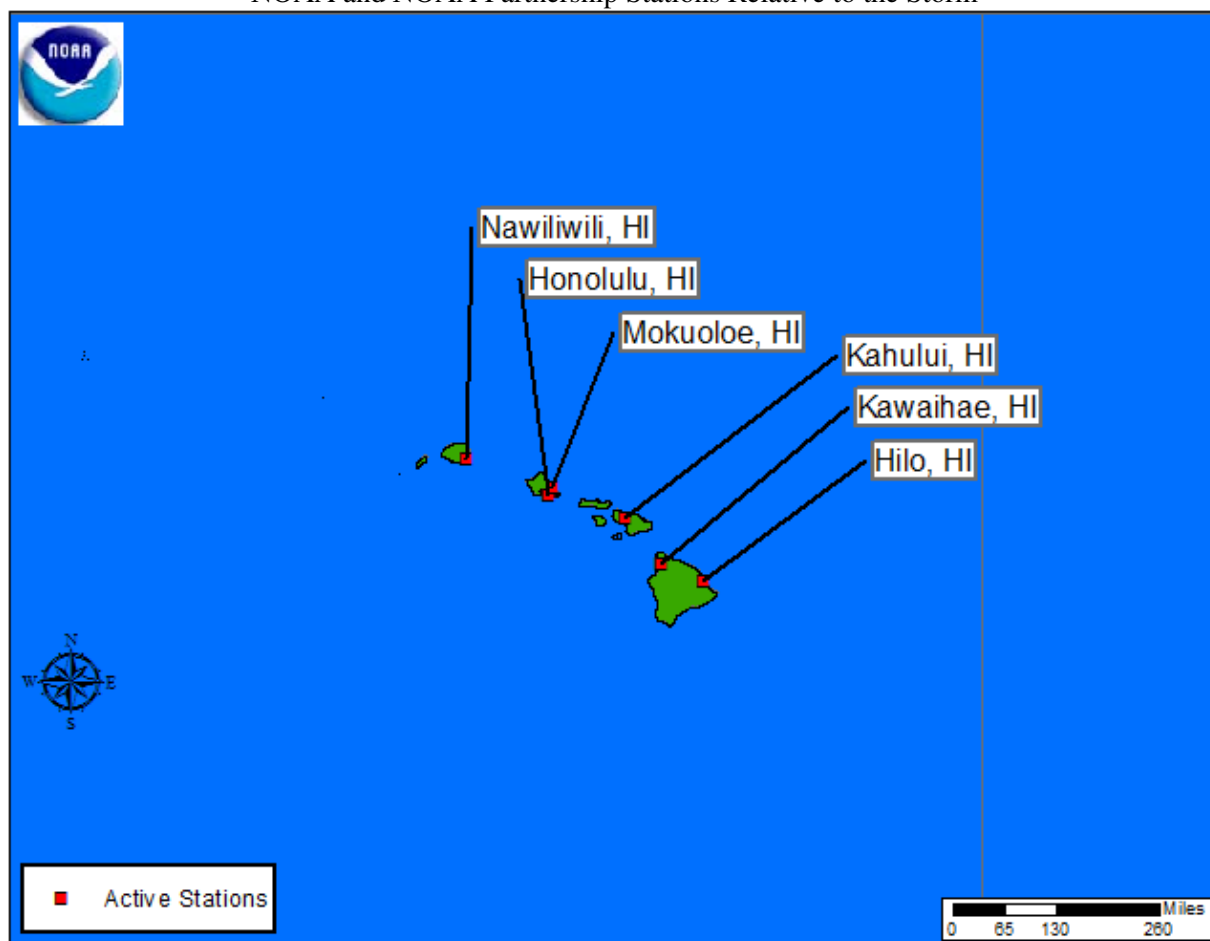




Tropical Storm ANA QuickLook  
Posted: 00:00 HST 10/20/2014

#### NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the Central Pacific Hurricane Center (CPHC) issues a new tropical storm or hurricane warning for the U.S. coastline or its territories.

As of 10/20/2014 00:00 HST, water levels at Nawiliwili (Kauai) and across the other main Hawaiian Islands are slightly elevated, ranging between 0.1 and 0.4 feet above predicted tide levels. Winds are 10 to 15 knots or less across all Hawaiian Islands from Oahu eastward. Kahului and Kawaihae wind gusts are reaching up to 25 knots. Barometric pressure is slightly rising across the area.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

Tropical Storm ANA QuickLook, POSTED 00:00 HST 10/20/2014

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: ADW

-----  
SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ANA ADVISORY NUMBER 27

NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI  
1100 PM HST SUN OCT 19 2014

...ANA MOVING WESTWARD AWAY FROM THE MAIN HAWAIIAN ISLANDS AND  
HEADING TOWARD THE NORTHWEST HAWAIIAN ISLANDS...

WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WARNING FOR KAUAI COUNTY...INCLUDING THE ISLANDS OF KAUAI  
AND NIIHAU...IS DISCONTINUED.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* PORTIONS OF THE PAPA HANAU MOKU AKEA MARINE NATIONAL MONUMENT...FROM  
NIHOA TO FRENCH FRIGATE SHOALS.

A HURRICANE WATCH IS IN EFFECT FOR...

\* PORTIONS OF THE PAPA HANAU MOKU AKEA MARINE NATIONAL MONUMENT...FROM  
NIHOA TO MARO REEF.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED  
SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN THE NEXT 24 TO 36  
HOURS.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE  
WATCH AREA...GENERALLY WITHIN 48 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED  
BY THE NATIONAL WEATHER SERVICE OFFICE IN HONOLULU HAWAII.

DISCUSSION AND 48-HOUR OUTLOOK

-----  
AT 1100 PM HST THE CENTER OF TROPICAL STORM ANA WAS LOCATED ABOUT 200 MI WSW  
OF LIHUE HAWAII AND ABOUT 345 MI SE OF FRENCH FRIGATE SHOALS. ANA IS MOVING  
TOWARD THE WEST NEAR 9 MPH. THIS MOTION IS EXPECTED TO CONTINUE  
TONIGHT...FOLLOWED BY A GRADUAL TURN TO THE NORTHWEST AND DECREASE IN

FORWARD SPEED ON MONDAY AND TUESDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 70 MPH WITH HIGHER GUSTS. SOME WEAKENING IS POSSIBLE THROUGH MONDAY FOLLOWED BY EXPECTED REINTENSIFICATION ON TUESDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES FROM THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 995 MB.

#### HAZARDS AFFECTING LAND

-----  
WIND...TROPICAL STORM CONDITIONS ARE EXPECTED OVER NECKER ISLAND... FRENCH FRIGATE SHOALS...AND TERN ISLAND MONDAY NIGHT. HURRICANE CONDITIONS ARE POSSIBLE OVER FRENCH FRIGATE SHOALS AND TERN ISLAND MONDAY NIGHT AND TUESDAY.

SURF...LARGE SWELLS PRODUCED BY ANA WILL BUILD ACROSS THE NORTHWEST HAWAIIAN ISLANDS THROUGH TUESDAY. SURF PRODUCED BY THESE SWELLS WILL BE DANGEROUS ALONG THE SOUTHERN AND SOUTHEASTERN FACING REEFS OF THE NORTHWEST HAWAIIAN ISLANDS.

RAINFALL...LOCALLY HEAVY RAINFALL WILL LINGER OVER KAUAI AND NIIHAU TONIGHT. RAINFALL AMOUNTS OF 4 TO 8 INCHES...WITH LOCAL AMOUNTS OF 12 INCHES...ARE POSSIBLE OVER THE NORTHWEST HAWAIIAN ISLANDS ALONG AND NEAR THE TRACK OF THE CENTER OF ANA.

FORECASTER WROE

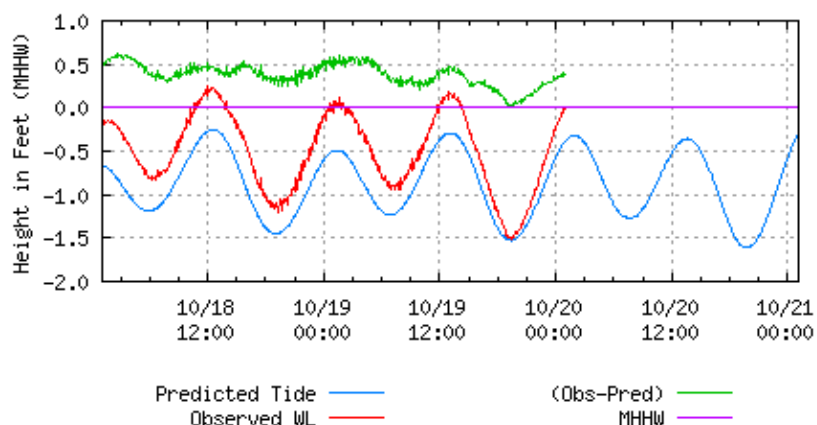
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Nawiliwili - Water Level](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#)

Tropical Storm ANA QuickLook, POSTED 00:00 HST 10/20/2014

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 10/20/2014 01:06 (HST). Data relative to MHHW

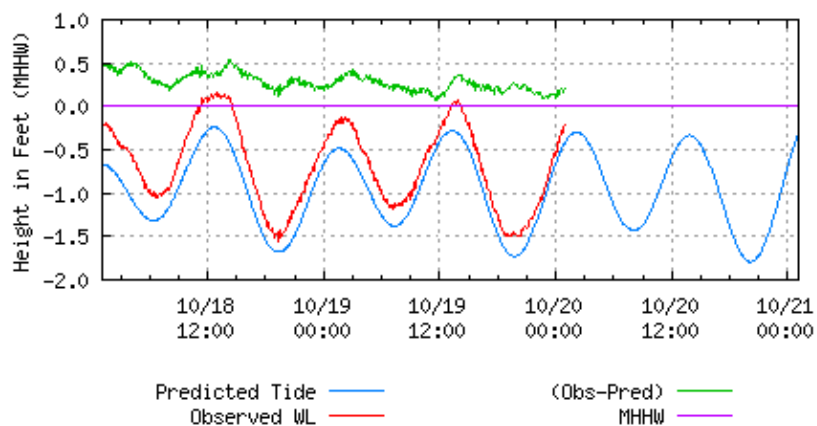
Observed: 0.06 ft. Predicted: -0.37 ft. Residual: 0.43 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 10/20/2014 01:55 (HST), -0.32 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 10/20/2014 01:00 (HST). Data relative to MHHW

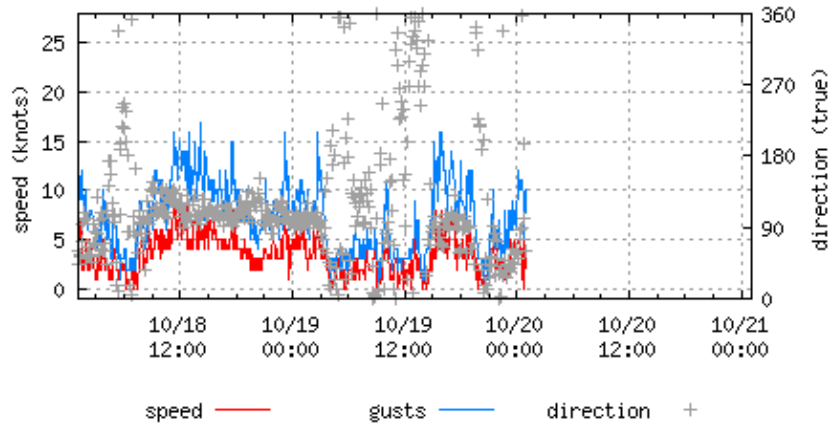
Observed: -0.22 ft. Predicted: -0.40 ft. Residual: 0.18 ft.

Historical Maximum Water Level: Feb 14 1967, 1.49 ft.

Next High Tide: 10/20/2014 02:08 (HST), -0.30 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Wind Speed / Gusts / Direction

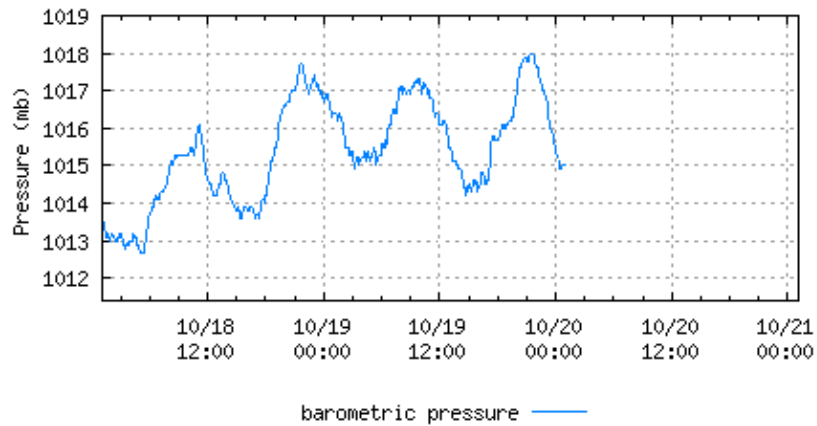


Last Observed Sample: 10/20/2014 01:00 (HST)

Wind Speed: 3 knots Gusts: 5 knots Direction: 63° T

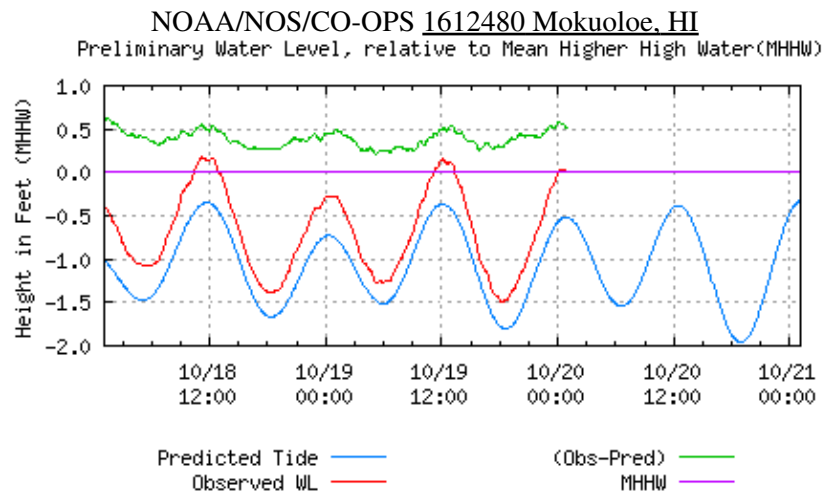
NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Barometric Pressure



Last Observed Sample: 10/20/2014 01:00 (HST)

Barometric Pressure: 1015.0 mb

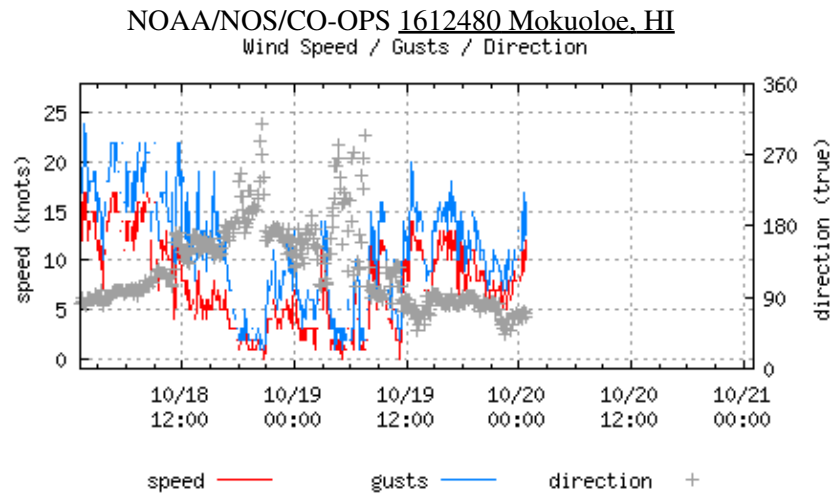


Last Observed Sample: 10/20/2014 01:00 (HST). Data relative to MHHW

Observed: -0.01 ft. Predicted: -0.52 ft. Residual: 0.51 ft.

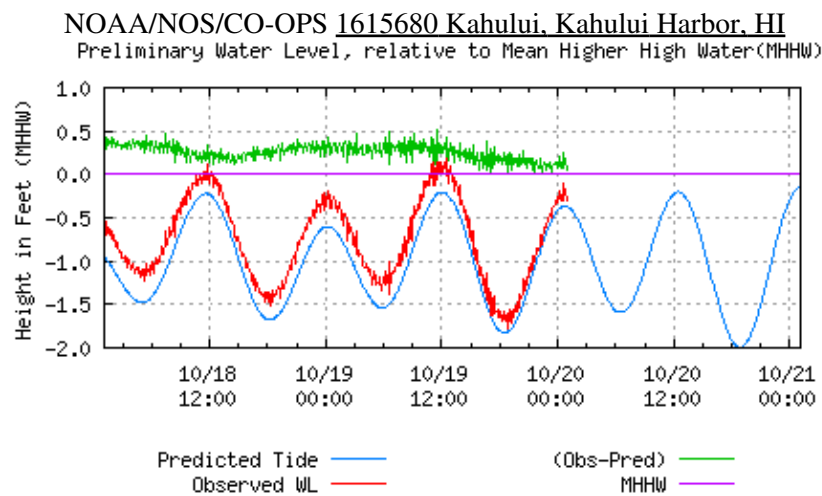
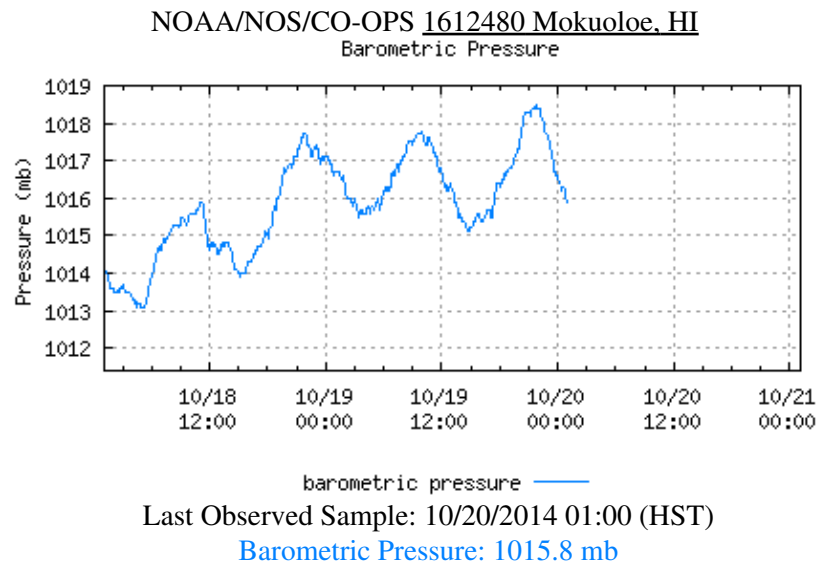
Historical Maximum Water Level: Jan 8 1974, 1.46 ft.

Next High Tide: 10/20/2014 12:29 (HST), -0.38 ft.



Last Observed Sample: 10/20/2014 01:00 (HST)

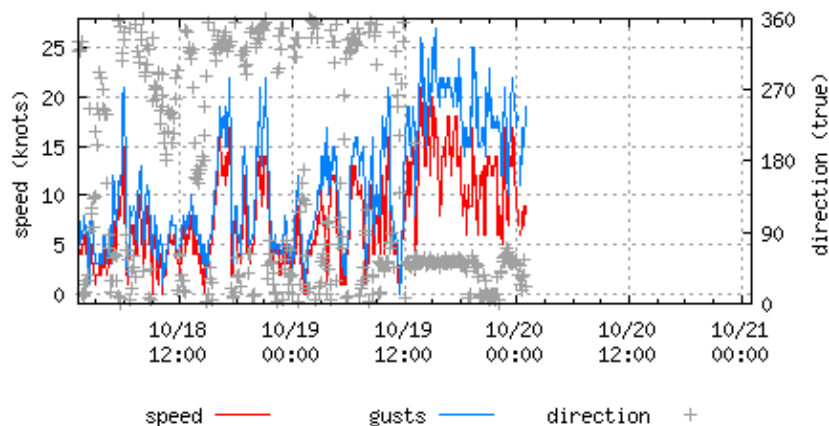
Wind Speed: 12 knots Gusts: 16 knots Direction: 68° T



Last Observed Sample: 10/20/2014 01:00 (HST). Data relative to MHHW  
Observed: -0.23 ft. Predicted: -0.37 ft. Residual: 0.14 ft.  
Historical Maximum Water Level: Dec 20 1968, 1.23 ft.  
Next High Tide: 10/20/2014 12:27 (HST), -0.20 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Wind Speed / Gusts / Direction

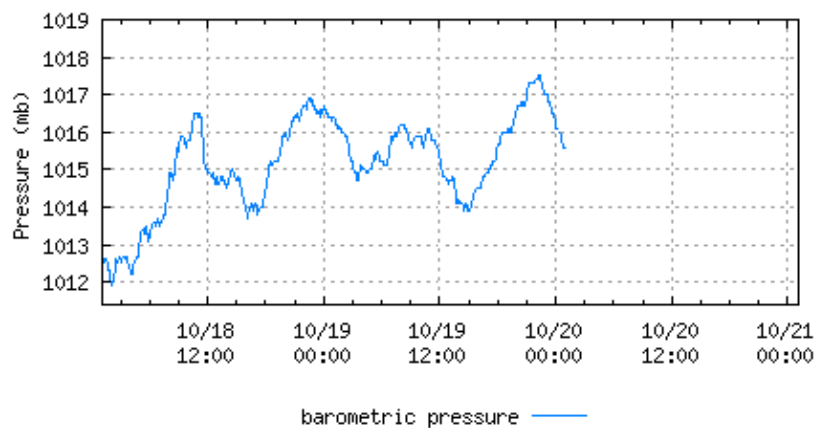


Last Observed Sample: 10/20/2014 01:00 (HST)

Wind Speed: 12 knots Gusts: 18 knots Direction: 12° T

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

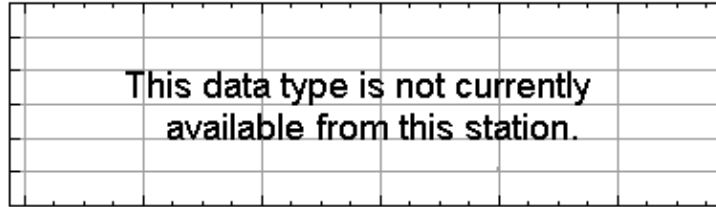
Barometric Pressure



Last Observed Sample: 10/20/2014 01:00 (HST)

Barometric Pressure: 1015.5 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI  
NOAA/NOS/CO-OPS



Last Observed Sample: 10/20/2014 01:06 (HST). Data relative to MHHW

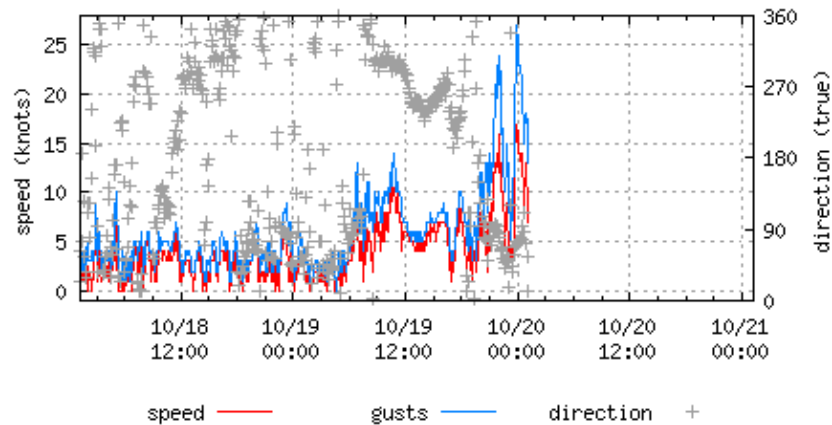
Observed: -0.12 ft. Predicted: -0.61 ft. Residual: 0.49 ft.

Historical Maximum Water Level: Dec 13 2008, 1.22 ft.

Next High Tide: 10/20/2014 02:07 (HST), -0.52 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

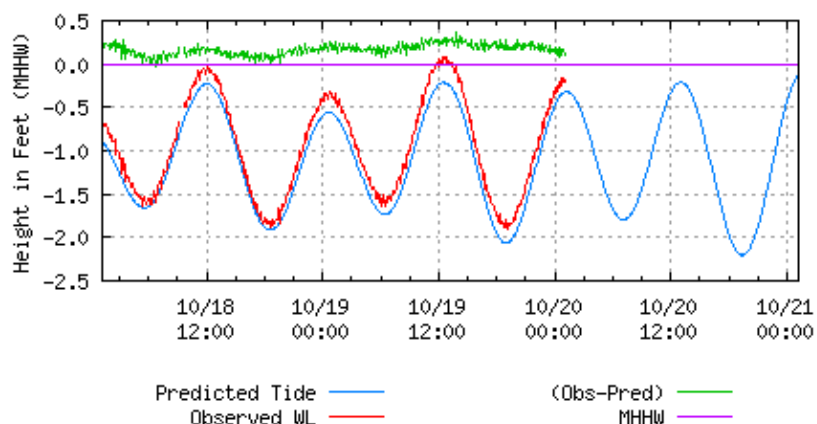
Wind Speed / Gusts / Direction



Last Observed Sample: 10/20/2014 01:06 (HST)

Wind Speed: 7 knots Gusts: 13 knots Direction: 12° T

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



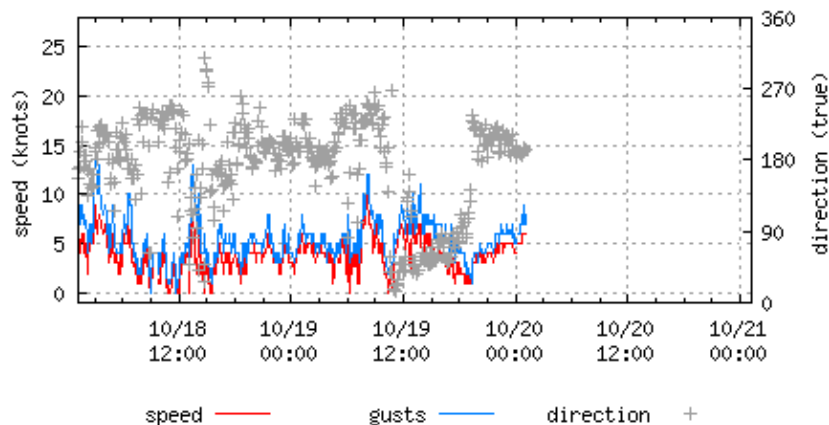
Last Observed Sample: 10/20/2014 01:00 (HST). Data relative to MHHW

Observed: -0.21 ft. Predicted: -0.32 ft. Residual: 0.11 ft.

Historical Maximum Water Level: Jan 20 1981, 1.37 ft.

Next High Tide: 10/20/2014 01:13 (HST), -0.32 ft.

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI  
Wind Speed / Gusts / Direction



Last Observed Sample: 10/20/2014 01:00 (HST)

Wind Speed: 6 knots Gusts: 7 knots Direction: 194° T

Tropical Storm ANA QuickLook, POSTED 00:00 HST 10/20/2014

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1611400	Nawiliwili, HI	10/20/2014 01:06 (HST)	0.06 ft	-0.37 ft	0.43 ft	0.18 ft
1612340	Honolulu, HI	10/20/2014 01:00 (HST)	-0.22 ft	-0.40 ft	0.18 ft	0.07 ft
1612480	Mokuoloe, HI	10/20/2014 01:00 (HST)	-0.01 ft	-0.52 ft	0.51 ft	0.16 ft
1615680	Kahului, Kahului Harbor, HI	10/20/2014 01:00 (HST)	-0.23 ft	-0.37 ft	0.14 ft	0.28 ft
1617433	Kawaihae, HI	10/20/2014 01:06 (HST)	-0.12 ft	-0.61 ft	0.49 ft	-0.12 ft
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	10/20/2014 01:00 (HST)	-0.21 ft	-0.32 ft	0.11 ft	0.08 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce